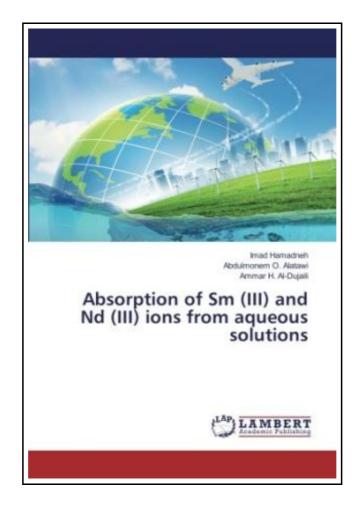
Absorption of Sm (III) and Nd (III) ions from aqueous solutions



Filesize: 3.45 MB

Reviews

This published book is wonderful. It is really simplified but unexpected situations within the fifty percent of the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Dr. Janis Reilly)

ABSORPTION OF SM (III) AND ND (III) IONS FROM AQUEOUS SOLUTIONS



To save **Absorption of Sm (III) and Nd (III) ions from aqueous solutions** PDF, please follow the web link beneath and save the ebook or get access to other information which are relevant to ABSORPTION OF SM (III) AND ND (III) IONS FROM AQUEOUS SOLUTIONS ebook.

LAP Lambert Academic Publishing Jul 2016, 2016. Taschenbuch. Book Condition: Neu. 220x150x6 mm. This item is printed on demand - Print on Demand Neuware - Jordanian diatomaceous earth (JDA) and standard diatomaceous earth (SDA) were used for the adsorption of Samarium (Sm(III)) and Neodymium (Nd(III)) ions from aqueous solutions. Both JDA and SDA were characterized by cation exchange capacity (CEC), surface area (SA), Fourier Transform Infrared (FTIR), x-ray diffraction (XRD), x-ray fluorescence (XRF) and scanning electron microscope (SEM). The adsorption behavior of the JDA and SDA towards Sm(III) and Nd(III) was studied by batch equilibrium technique as a function of adsorbent dose, pH, ionic strength, contact time and temperatures. The maximum adsorption capacity by JDA and SDA was at pH = 5.0. The adsorption isotherms were also investigated. The metal ions uptake properties on the JDA and SDA fit Langmuir, Freundlich, Temkin and Dubinin-Radushkevich (D-R) adsorption isotherms. The order for increasing adsorption capacity was as the following: Sm(III)/JDA Nd(III)/JDA Sm(III)/SDA Nd(III)/SDA. These experiments fitted pseudo second-order model for both JDA and SDA. Thermodynamic functions, DeltaG, DeltaH and DeltaS were determined for each metal ion. The determination of metal ion loading capacity and desorption studies were also reported. 100 pp. Englisch.

Read Absorption of Sm (III) and Nd (III) ions from aqueous solutions Online
Download PDF Absorption of Sm (III) and Nd (III) ions from aqueous solutions

Related eBooks

[PDF] Psychologisches Testverfahren Access the web link under to read "Psychologisches Testverfahren" document. Download Book »

	\geq
_	- 1

[PDF] Programming in D Access the web link under to read "Programming in D" document. Download Book »

[PDF] Very Short Stories for Children: A Child's Book of Stories for Kids Access the web link under to read "Very Short Stories for Children: A Child's Book of Stories for Kids" document.

Download Book »

[PDF] Studyguide for Social Studies for the Preschool/Primary Child by Carol Seefeldt ISBN: 9780137152841

Access the web link under to read "Studyguide for Social Studies for the Preschool/Primary Child by Carol Seefeldt ISBN: 9780137152841" document. Download Book »

	_		
	-		
	-		

[PDF] Memoirs of Robert Cary, Earl of Monmouth

Access the web link under to read "Memoirs of Robert Cary, Earl of Monmouth" document. **Download Book »**

	$\$	
_		
_		

[PDF] Adult Coloring Books Reptiles: A Realistic Adult Coloring Book of Lizards, Snakes and Other Reptiles (Paperback)

Access the web link under to read "Adult Coloring Books Reptiles: A Realistic Adult Coloring Book of Lizards, Snakes and Other Reptiles (Paperback)" document. **Download Book »**